National Mathematics Magazine

INDEX TO VOLUME XVI

October, 1941 to May, 1942

Topic	*Author*	*Page*
Adequate Induction by Sampling	Isidore F. Shapiro	398
Analytic Geometry of the Triangle	F. C. Gentry	127
Arithmetic in General Education, by Committee on Arithmetic National Council of Teachers of Mathematics. (Review)	Kenneth L. Heaton	111
Basic Geometry, by George D. Birkhoff and Ralph Beatley. (Review)	H. Terry	53
Beyond Quadratics	H. L. Dorwart	231
Birational T_{n+2} Associated with a Rational Space C_n	M. L. Vest	377
Brief Trigonometry, by Edward A. Cameron. (Review)	Edwin G. H. Comfort	318
Calculus (Part I), by H. B. Phillips. (Review)	R. C. Bullock	167
College Algebra, by H. P. Pettit and P. Luteyn. (Review)	B. F. Dostal	226
College Geometry, by Paul H. Daus. (Review)	J. A. Cooley	110
Comments Concerning "A Note on Observed Geometric Series" by A. B. Soble in the April, 1940 Issue	William Dowell Baten	62
Concerning a Certain Web of Conic	H. L. Dorwart	59
Construction and Use of a Mathematics Placement Test	Brewster H. Gere	400
Construction of Objective Tests in Mathematics	Ruth M. Ballard	150
Course of Analysis, by E. G. Phillips. (Review)	W. L. Duren, Jr.	270
Diagnostic Study of Students' Difficulties in General Mathematics in First Year College Work, by Elizabeth N. Boyd. (Review)	Eugene W. Hellmich	271
Early English Arithmetics, Part I	E. R. Sleight	198
Early English Arithmetics, Part II	E. R. Sleight	243
Early Military Books in the University of Michigan Libraries, by Thomas M. Spaulding and Louis C. Karpinski. (Review)	H. A. Simmons	226
Educational Interests of Teachers of College Mathematics	J. S. Georges	89
Elementary Mathematical Concepts, by James H. Zant, and Ainsley H. Diamond. (Review)	James E. Davis	313
Elements of the Differential and Integral Calculus, by William Anthony Granville. (Review)	H. M. Nahikian	54
Emile Picard	G. Waldo Dunnington	186
Exterior Ballistics, prepared by Lt. Col. Thomas H. Jayes. (Review)	K. P. Williams	228
First Year College Mathematics, by Richtmeyer and Foust. (Review)	G. Waldo Dunnington	415
First Year of College Mathematics, by Henry J. Miles. (Review)	B. F. Dostal	226
Form of a Ship	H. Bateman	141
Forward Mathematics	Houston T. Karnes	118
Fourier Series and Boundary Value Problems, by Ruel V. Churchill. (Review)	Otto Szasz	420
Fourier Series and Orthogonal Polynomials (The Carus Monograph Number Six), by Dunham Jackson. (Review)	J. Shohat	267
Fundamental Distribution of Errors for Agricultural Field Trials	G. A. Baker	7
Fundamental Mathematics, by Duncan Harkin. (Review)	J. A. Cooley	415
Fundamentals of Mathematics, by Moses Richardson. (Review)	Brent Clark	54
General Comparison of Conformal and Equilong Geometries	John De Cicco	275
General Equation of the Second Degree	K. P. Williams	37
Harmonic Integrals, by W. V. D. Hodge. (Review)	R. J. Walker	417
Highest Rung	William L. Schaaf	390
History of American Mathematical Journals, (Part XIV)	Benhamin F. Finkel	64
History of American Mathematical Journals, (Part XV)	Benjamin F. Finkel	188
History of American Mathematical Journals, (Part XVI)	Benjamin F. Finkel	284
History of American Mathematical Journals, (Part XVII)	Benjamin F. Finkel	341
History of American Mathematical Journals, (Part XVIII)	Benjamin F. Finkel	381

Topic	*Author*	*Page*
Intermediate Algebra, by C. H. Mergendahl and T. G. Walters. (Review)	Ruth Lane	166
Intermediate Algebra, by H. L. Rietz, A. R. Crathorne, and L. J. Adams (Review)	H. A. Simmons	316
Intermediate Algebra for College Students, by Thurman S. Peterson. (Review)	Tryphena Howard	419
Interrelations Between Mathematics and Philosophy in the Last Three Centuries	E. S. Kennedy	290
Introduction to the Theory of Equations, by Nelson Bush Conkwright. (Review)	C. G. Mumford	113
Junior Mathematics (Books 1, 2, and 3), by Harl R. Douglass and Lucien B. Kinney. (Review)	Miles C. Hartley	164
Literature Received by the Editorial Board During the Period November, 1940—November, 1941		115
Magazine Sponsorship	S. T. Sanders	274
Mary Somerville, by A. W. Richeson. (Review)	Audrey Wishard	418
Mathematical Tables, by H. B. Dwight. (Review)	John W. Cell	111
Mathematical World News	L. J. Adams	44
Mathematician's Apology, by G. H. Hardy	Virginia Modesitt	311
Mathematics and Nature	S. T. Sanders	58
Mathematics for the Aviation Trades, by James Naidich. (Review)	H. B. Curtis	317
Mathematics for Today (Books 1 and 2), by Harl R. Douglass and Lucien B. Kinney. Everyday Mathematics, by Harl R. Douglass and Lucien B. Kinney. (Review)	Miles C. Hartley	165
Mathematics of Finance, by L. R. Perkins and R. M. Perkins. (Review)	J. F. Kenney	112
Mathematics—Its Magic and Mastery, by Arron Bakst. (Review)	H. M. Nahikian	224
National Mathematics Magazine	S. T. Sanders	230
Noblesse Oblige!	S. T. Sanders	170
Note on Hummel's Paper	E. C. Kennedy	375
Note on the Torsion Problem	Thomas James Higgins	34
On the Integers of the Form $\frac{2^{p-1}-1}{p}$	Adolph Goodman	238
On Mathematical Certainty	S. T. Sanders	1
On the Cubic of Tschirnhausen	J. H. Weaver	371
Primitive Integral Triangles	H. T. R. Aude	280
Relative Merits of Three Methods of Subtraction, by John T. Johnson. (Review)	W. B. Storm	314
Resistance of Ships	H. Bateman	79
Second Yearbook of Research and Statistical Methodology, by Oscar K. Buros. (Review)	Kenneth L. Heaton	113
Standard Error of the Standard Error of Estimate	William Dowell Baten	183
Study of the Problems in Teaching the Slide Rule (Contributions to Education, No. 805), by Carl N. Shuster. (Review)	James E. Davis	313
Survey of Modern Algebra, by Garrett Birkhoff and Saunders MacLane. (Review)	L. W. Griffiths	268
Sweeping Publicity Program for the Magazine	S. T. Sanders	370
Tables prepared as the Project for the Computation of Mathematical Tables, conducted by the Work Projects Administration for the City of New York, under the Sponsorship of the National Bureau of Standards of Washington, D. C. (Review)	John W. Cell	224
Teaching Centroids and Moments of Inertia Simultaneously	H. S. Kaltenborn	299
Teaching of Secondary Mathematics, by Charles H. Butler and F. Lynwood Wren. (Review)	Miles C. Hartley	311
Theorem of Morley	J. W. Peters	119
To Discover Mathematics, by Gaylord M. Merriman. (Review)	Marion E. Stark	319
Tools, A Mathematical Sketch and Model Book, by Robert C. Yates. (Review)	Tryphena Howard	168
Treatise on Algebra, by George Peacock. (Review)	May M. Beenken	269
Trisection Problem, Chapter IV	Robert C. Yates	20
Trisection Problem, Chapter V	Robert C. Yates	171
Two Ways of Setting up the Symmetric Correspondence $C_{3,2}$ and a Relation Connecting Them	Sister Leonarda Burke	29

Topic	*Author*	*Page*
Types of Learning Products of Evaluation of Instruction	J. S. Georges	90
U. G. Mitchell, 1872-1942	G. Waldo Dunnington	240
Units of Work and Centers of Interest in the Organization of the Elementary School Curriculum, by Sadie Groggans. (Review)	Walter A. Anderson	166
Use of Index Numbers in Evaluation	William H. Erskine	252

PROBLEMS PROPOSED

Of each pair of successive numbers followed by a semicolon, or period, the first denotes the NUMBER of the problem proposed; the second, the PAGE on which it is stated.

Aude, H. T. R. 440,163; 444,222; 455,266.
Byrne, W. E. 468,357.
Burdick, Isabella 427,52.
Callicott, James F. 454,265.
Clarke, Walter B. 439,163; 441,163; 443,222.
Court, N. A. 430,108; 451,265; 457,266.
Currie, J. C. 471,357.
Foraker, F. A. 429,264.
Grossman, Howard D. 473,413; 478,414.
H'Doubler, Alice M. 450,223.
Huff, William H. 460,309.
Hurt, J. M. 458,309.
Hughes, Orval D. 466,357.
MacKay, D. L. 423,51; 425,51; 433,108; 438,163; 447,223; 452,265; 464,310; 477,414.
McClusky, H. C. D. 428,52.
Parker, W. V. 436,163; 445,222; 453,265; 474,414.
Rinehart, R. F. 446,223.
Robertson, M. S. 448,223.
Robinson, Nelson 476,414.
Springer, C. E. 461,309.
Starke, E. P. 426,51; 431,108; 463,310; 470,357; 475,414.
Thebault, V. 435,109; 437,163; 456,266; 459,309.
Thomas, Paul D. 424,51; 429,52; 432,108; 434,109; 442,222; 449,223; 462,310; 465,356; 472,413.
"Troubled" 469,357.
Wishard, G. W. 429,264.
Yates, Robert C. 467,357.

PROBLEMS SOLVED

Of each pair of successive numbers followed by a semicolon, or a period, the first denotes the NUMBER of the problem proposed; the second, the PAGE on which it is solved.

Ablow, C. M. 434,307; 451,411.
Akers, Alienne 392,45.
Arany, Daniel 345,216.
Aude, H. T. R. 407,106.
Bakst, Aaron 446,356.
Binneweg, D. C. 402,48; 404,50; 410,107; 450,356.
Bowman, David L. 423,221.
Bradford, W. H. 428,264;449,410.
Broussard, Robert L. 446,355.
Burdick, Isabella 427,262; 450,356.
Byrne, W. E. 416,352.
Callicott, James F. 454,412.
Chernofsky, Morris 408,106; 418,162; 427,263; 428,264; 449,410.
Clarke, W. B 392,45; 406,51; 407,106; 409,216; 426,261; 429,264; 432,306; 433,306; 441,354; 443,354; 445,355; 449,410.
Cohen, A. C., Jr. 406,51.
Comfort, Edwin 399,48; 404,50; 406,51.
Court, N. A. 396,47; 451,412.
Crain, Karleton W. 445,355.

Crosier, W. Raymond.....403,49.
"Editors".....369,157.
Farnell, A. B.....404,50; 405,105; 409,107; 410,108; 418,163; 427,262; 428,264; 434,407; 446,356; 450,356.
Gehman, H. M.....446,356.
Giese, John H.....398,219.
Grant, H. S.....400,103;388,158.
Hassler, Ray.....449,410.
Heyman, M. S.....406,50
Huff, G. B.....413,160.
Huff, W. N.....404,50; 408,107; 427,263.
Humphrey, H. K.....409,107.
Humphries, C. D.....427,263.
Hurt, J. M.....436,308; 450,356; 449,410.
Kennedy, E. C.....404,50.
Kramish, Arnold.....434,307.
Lewis, F. A.....446,356.
Locke, Leland.....406,51.
MacKay, D. L.....392,45; 405,105; 407,106; 409,107; 415,162; 425,305; 427,263; 428,264; 429,264; 439,308; 441,354; 443,354; 445,355.
McCluskey, H. C. D.....428,263.
McCluskey, Mary.....406,51.
Meyer, Lucille G.....406,51; 450,356.
Mills, C. N.....394,47; 428,264; 448,409.
Parker, W. V.....436,307; 445,354; 446,356; 454,412.
Price, J. F.....404,50.
Rice, Geraldine.....392,45.
Rinehart, R. F.....446,356.
Robertson, M. S.....426,261.
Robinson, Nelson.....399,48; 420,407.
Seidenberg, Richard L.....415,161.
Shenfil, Leon.....406,51; 415,161; 436,308; 439,309; 441,354; 443,354; 446,356; 450,356; 449,410.
Starke, E. P.....414,260; 431,409.
Sweeney, R. V.....450,411.
Sutton, Robert W.....426,261.
Thebault, V.....410,107.
Thomas, Jean A.....406,51.
Thomas, R. K.....446,356
Thomas, Paul D.....392,45; 394,47; 395,102; 397,219; 403,49; 404,50; 405,105; 407,106; 409,107; 413,161; 417,162; 424,353; 427,263; 428,264; 429,264; 432,306; 434,307; 436,307; 443,354; 448,410; 449,410; 456,413.
Townes, S. B.....412,259.
Trigg, C. W.....393,46; 394,46; 403,50; 404,50; 406,51; 409,107; 410,108; 413,161.
Wellington, Earle.....443,354.
Wheatley, W. D.....427,263.
Wicht, Marion C.....406,51.
Wishard, G. W.....418,162.
Wright, Marion.....409,107.
Wyman, Marvin.....427,263.